

Converting Colors

$Y_{xy}(45.4203, 0.4919, 0.4138)$

Have a look what the booklet for
Yxy(45.4203, 0.4919, 0.4138)
contains.

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Color

Yxy(45.3739, 0.4921, 0.4137)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF9C3D |
| RGB | 255, 156, 61 |
| RGB Percent | 100%, 61%, 24% |
| CMY | 0.0000, 0.3882, 0.7607 |
| CMYK | 0.00, 0.39, 0.76, 0.00 |
| HSL | 29°, 100%, 62% |
| HSV | 29°, 76%, 100% |
| XYZ | 53.9727, 45.3739, 10.3317 |
| YIQ | 174.7710, 89.4990, -8.5570 |

Conversions

Conversions Part 2

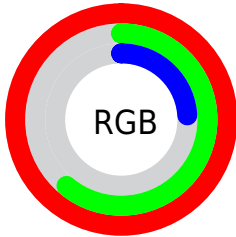
| Format | Color |
|-------------------------------------|-------------------------------------------------|
| RYB | 255, 247, 61 |
| Decimal | 16751677 |
| CIELab | 73.14, 29.83, 62.46 |
| CIELCh | 73, 69.222, 64.470 |
| Yxy | 45.3739, 0.4921, 0.4137 |
| Android (android.graphics.Color) | 4294941757 (0xFFFF9C3D) |
| YUV | 174.7710, -56.0891, 70.3608 |
| Hunter-Lab | 67.3602, 25.1438, 38.0582 |

Details

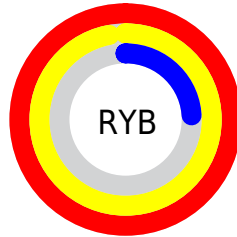
The Yxy color **45.3739, 0.4921, 0.4137** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.3627, 0.1970, 0.2019**, and the grayscale version is **43.0082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0634, 0.4163, 0.4255**, and **21.2381, 0.5297, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **41.0263, 0.5176, 0.4134**, and if you desaturate by 10%, it is **50.3231, 0.4642, 0.4089**.

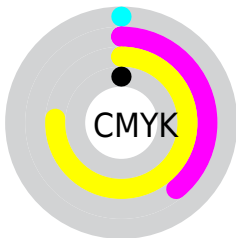
Distribution



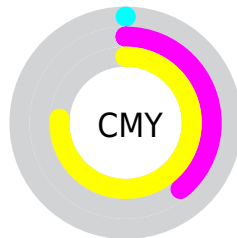
- Red (100%)
- Green (61%)
- Blue (24%)



- Red (100%)
- Yellow (97%)
- Blue (24%)



- Cyan (0%)
- Magenta (39%)
- Yellow (76%)
- Black (0%)




- Cyan (0%)
- Magenta (39%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3739, 0.4921, 0.4137 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.3739, 0.4921, 0.4137 by changing the saturation by 10% instead.


 45.3739, 0.4921,
0.4137

 45.3739, 0.4921,
0.4137


368.2858, 0.4068,
0.3820


 31.7520, 0.5102,
0.4174


 83.2812, 0.4632,
0.4052

 21.1722, 0.5311,
0.4197


 108.3354, 0.4517,
0.4011


 13.2499, 0.5548,
0.4188


 137.9692, 0.4416,
0.3973

 7.6009, 0.5853,
0.4147

 172.5670, 0.4329,
0.3937

 3.8406, 0.6077,
0.3923

 212.5132, 0.4252,
0.3904

 1.5848, 0.6430,
0.3570

258.1921, 0.4183,

 0.3473, 0.7562,

0.3874

0.2438

309.9881, 0.4123,
0.3846

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.3739, 0.4921,
0.4137

45.3739, 0.4921,
0.4137

41.0263, 0.5176,
0.4134

50.3231, 0.4642,
0.4089

37.2407, 0.5391,
0.4075

55.8996, 0.4359,
0.4001


35.8913, 0.5467,
0.4041

62.1324, 0.4086,
0.3887

69.0467, 0.3833,
0.3758

 76.6661, 0.3604,
0.3624

 85.0129, 0.3401,
0.3491

 94.1080, 0.3224,
0.3364

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3739, 0.4982, 0.3460



45.3739, 0.4921, 0.4137



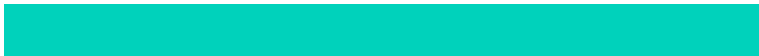
45.3739, 0.4352, 0.4778

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.3739, 0.4921, 0.4137



45.3739, 0.1921, 0.3660



45.3739, 0.2504, 0.1969

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.3739, 0.4921, 0.4137



33.3627, 0.1970, 0.2019

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.3739, 0.1869, 0.1885



45.3739, 0.4921, 0.4137



45.3739, 0.1569, 0.2675

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.3739, 0.4921, 0.4137



45.3739, 0.2623, 0.4699



45.3739, 0.1562, 0.2094



45.3739, 0.3435, 0.2300

Rectangle

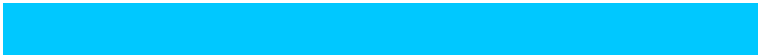
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3739, 0.4921, 0.4137



45.3739, 0.3810, 0.5059



45.3739, 0.1562, 0.2094



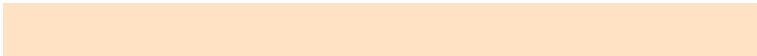
45.3739, 0.2255, 0.1912

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.3755, 0.4921, 0.4137



79.1483, 0.3539, 0.3583



27.1823, 0.4368, 0.2405



16.3169, 0.3616, 0.3631



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3755, 0.4921, 0.4137



39.0912, 0.5288, 0.4112



91.0718, 0.4134, 0.4901



19.4556, 0.3282, 0.3407



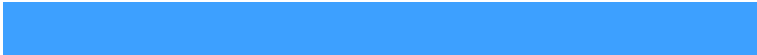
19.0509, 0.5441, 0.4062



2.0728, 0.5261, 0.4205

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.3627, 0.1970, 0.2019



26.5634, 0.1831, 0.1738



11.9092, 0.1685, 0.0920



18.9106, 0.2979, 0.3171



12.4345, 0.1780, 0.1608



1.4294, 0.1837, 0.1811

Previews

White Background



This preview shows how the Yxy color 45.3739, 0.4921, 0.4137 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.3739, 0.4921, 0.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3739, 0.4921, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 45.3739, 0.4921, 0.4137.



This preview shows how white text looks on a background with the Yxy color 45.3739, 0.4921, 0.4137.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.3739, 0.4921, 0.4137

Protanopia

45.4774, 0.4187, 0.4594

Deuteranopia

45.4189, 0.4550, 0.4461



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3739, 0.4921, 0.4137

Protanomaly

44.8796, 0.4467, 0.4422

Deuteranomaly

45.4108, 0.4684, 0.4342

Tritanomaly

45.1465, 0.4459, 0.3592

Monochromacy



Original Color

45.3739, 0.4921, 0.4137

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.5639, 0.3781, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3739, 0.4921, 0.4137 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 156, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 61)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 156, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 61) }
```

Border

The CSS property to change the border of an element to Yxy 45.3739, 0.4921, 0.4137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 156, 61) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 156, 61) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 156, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3739, 0.4921, 0.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 61) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
156, 61) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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